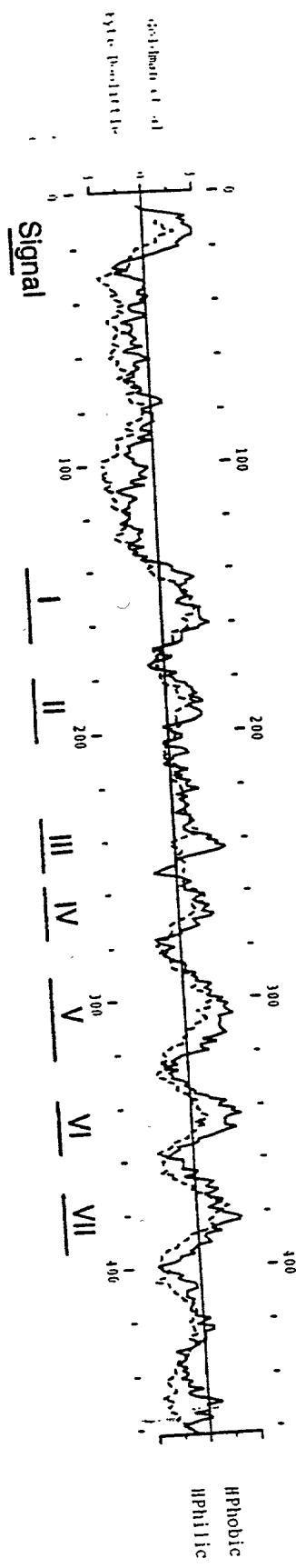


FIGURE 1 325800-376

Hydropathy Plot of the Human CGRP Receptor Peptide Sequence



325800-376

2/

R J GURE 2

3/11

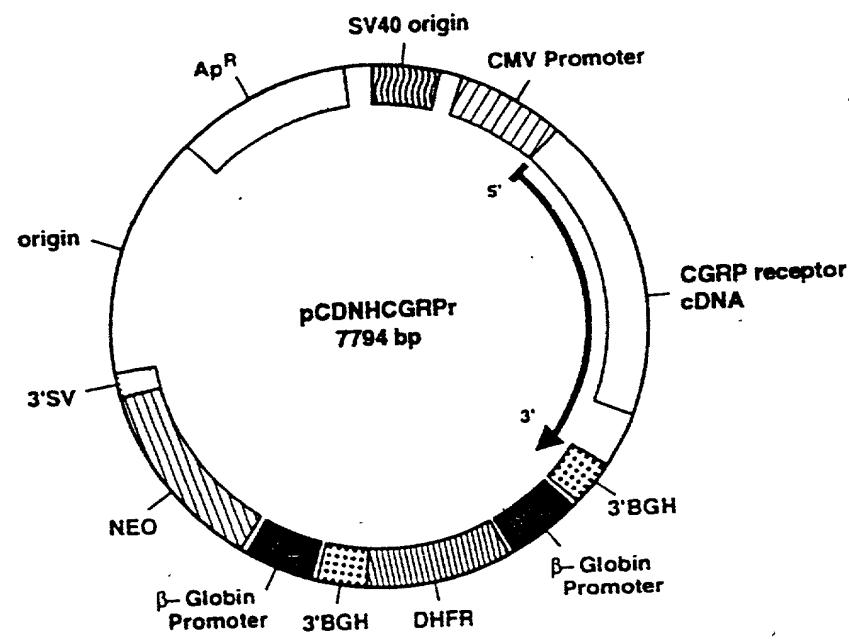


FIGURE 3

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3/11

cAMP RESPONSE IN 293 CELLS

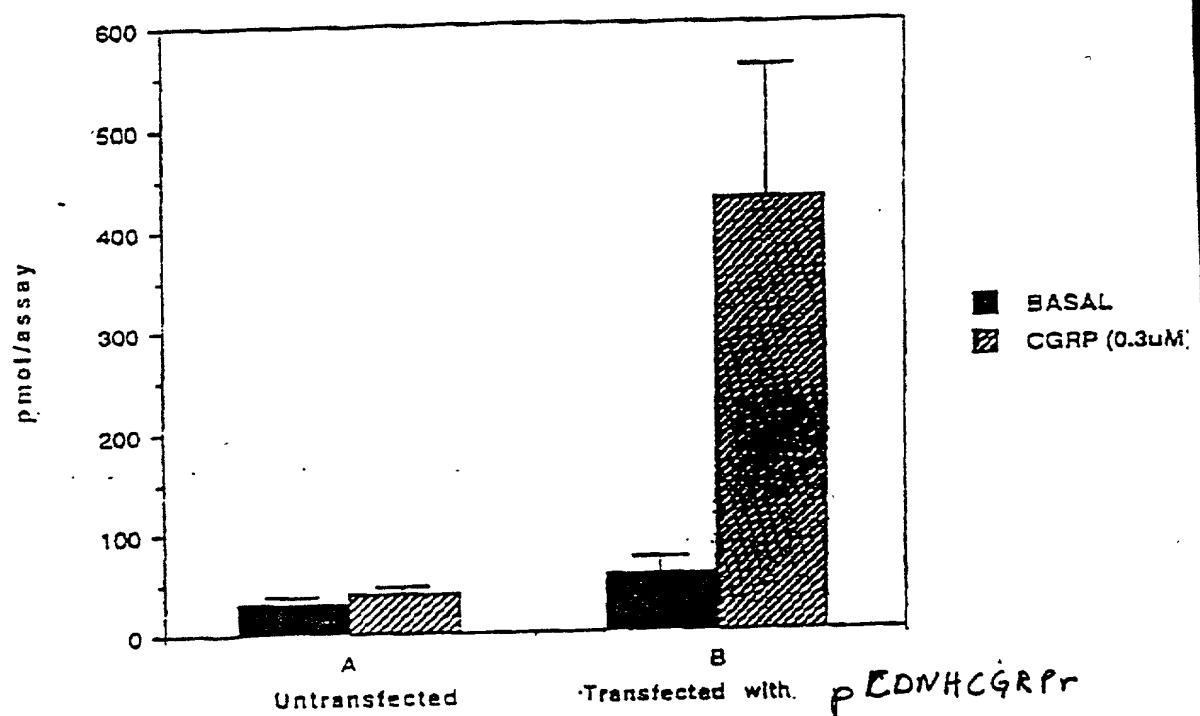


FIGURE 4

325.00 276

5/17/88

EFFECT OF CGRP
TREATMENT OF 293 CELL LINES STABLY TRANSFORMED WITH THE
pCONHCGRP_r CONSTRUCT

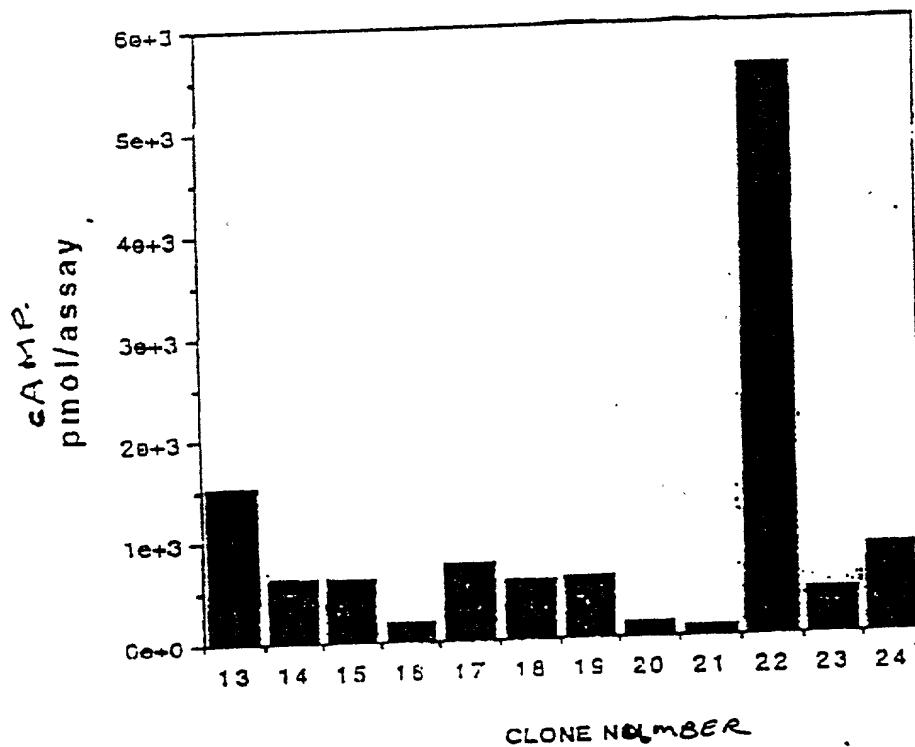


FIGURE 5

32-5802-376

6/11

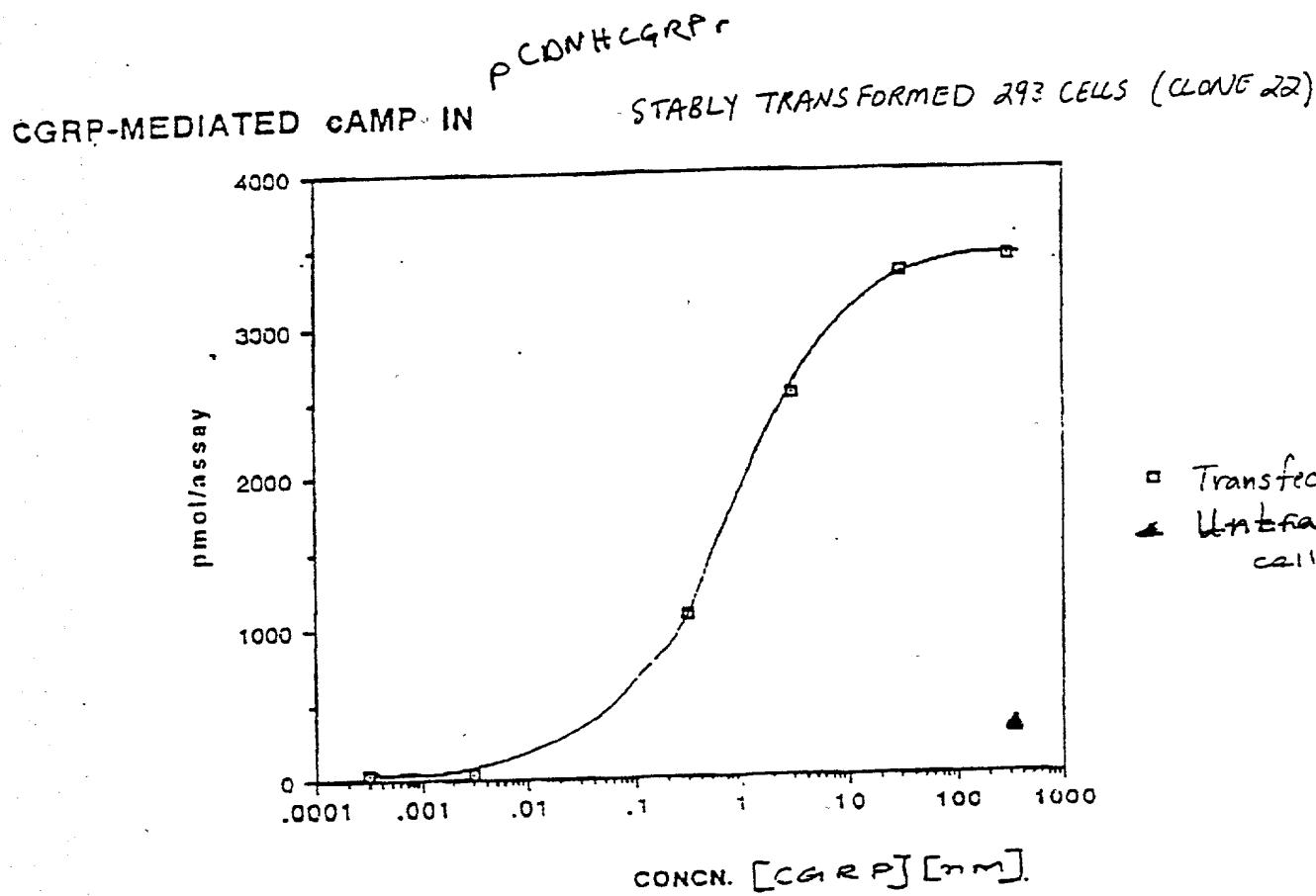


FIGURE b

325800 - 376

EFFECT OF CGRP8-37 ON CGRP-MEDIATED cAMP IN pCDNHcGPr STABLY TRANSFORMED 293 CELLS (CLONE 22)

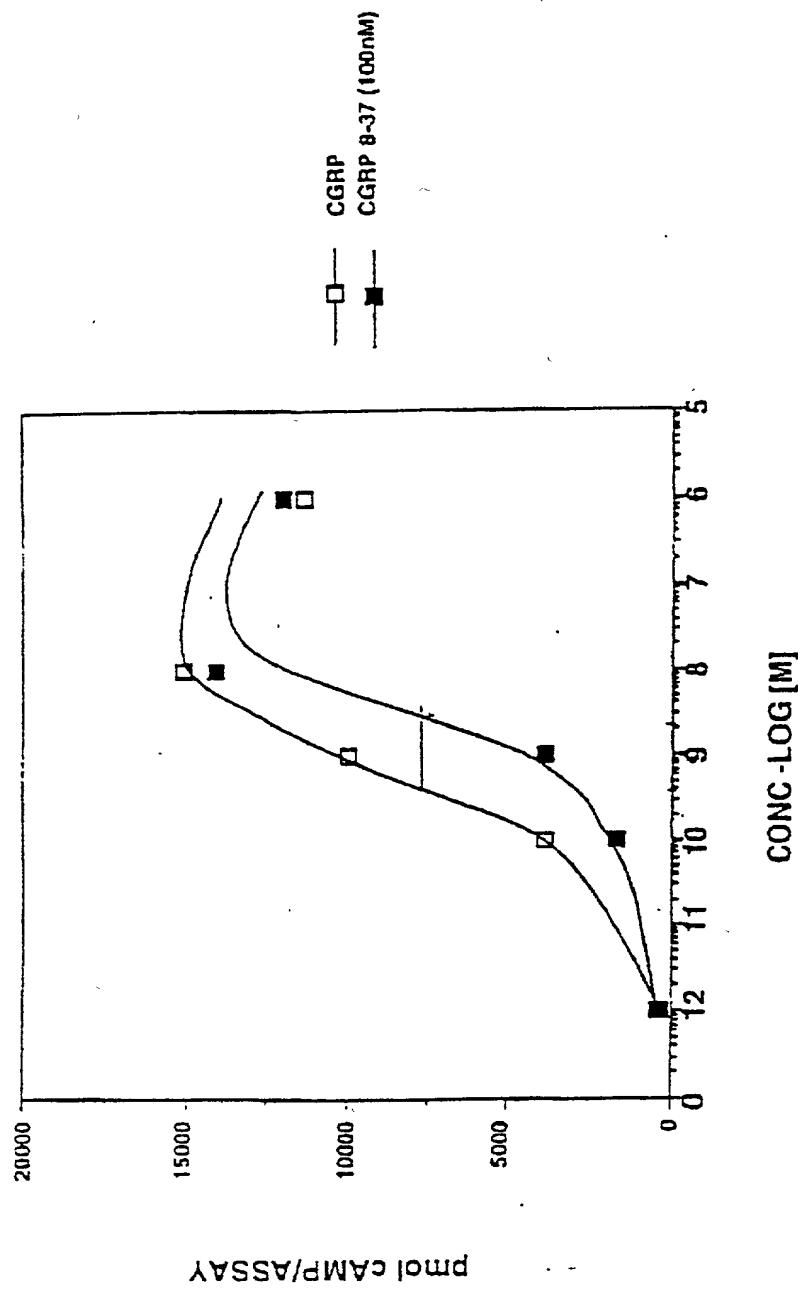
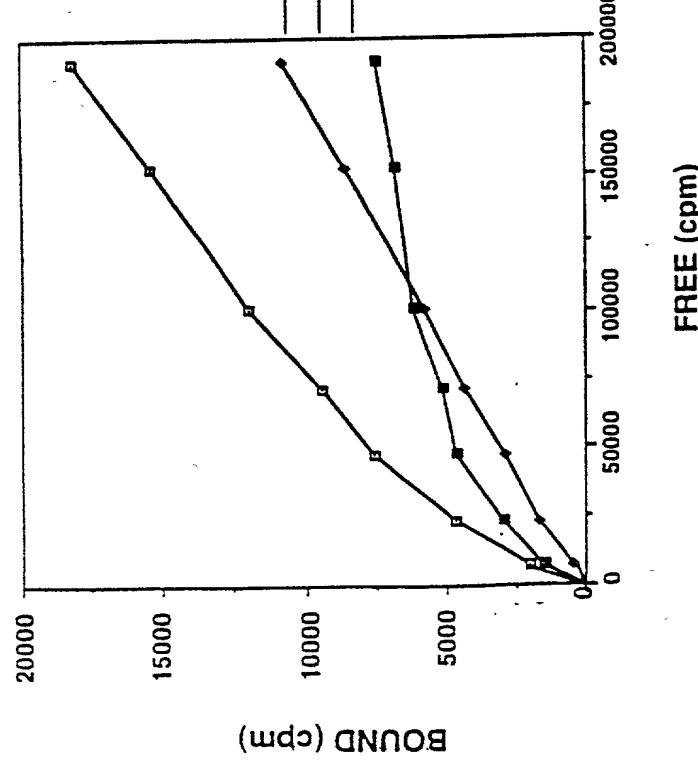


FIGURE 7

[125I]CGRP BINDING TO pADAMH CGP₁₅₋₂₇ TRANSFORMED 293 CELLS (CLONE 22) MEMBRANES

A



B

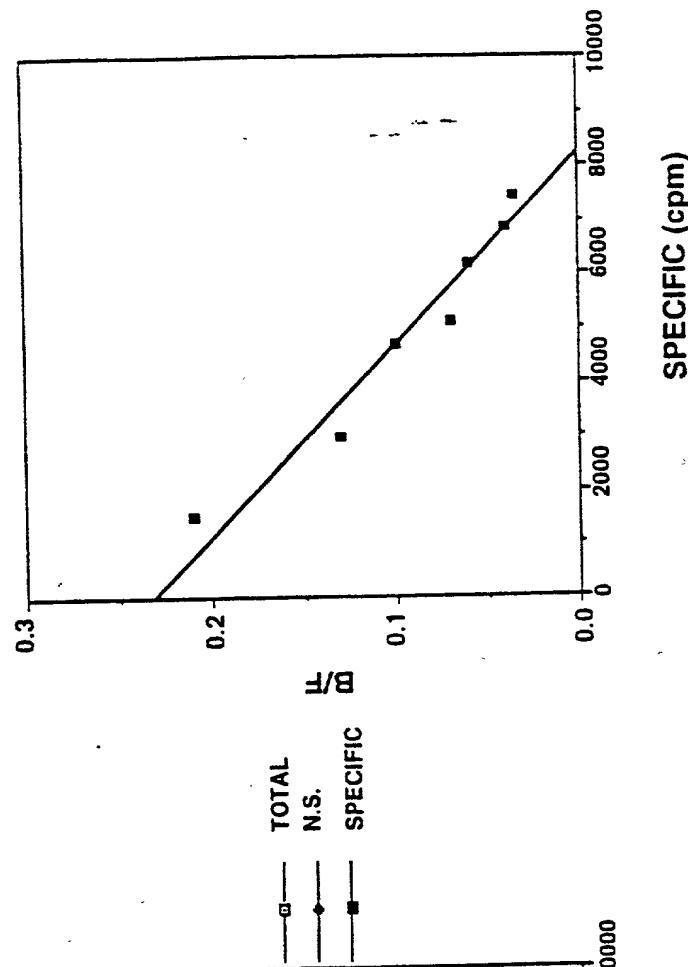


FIGURE 8

COMPETITION CURVES FOR REPRESENTATIVE CGRP ANALOGS
AGAINST [¹²⁵I]CGRP BINDING IN pCDNH₆R_{Pr} TRANSFORMED cell (clone 22) MEMBRANES

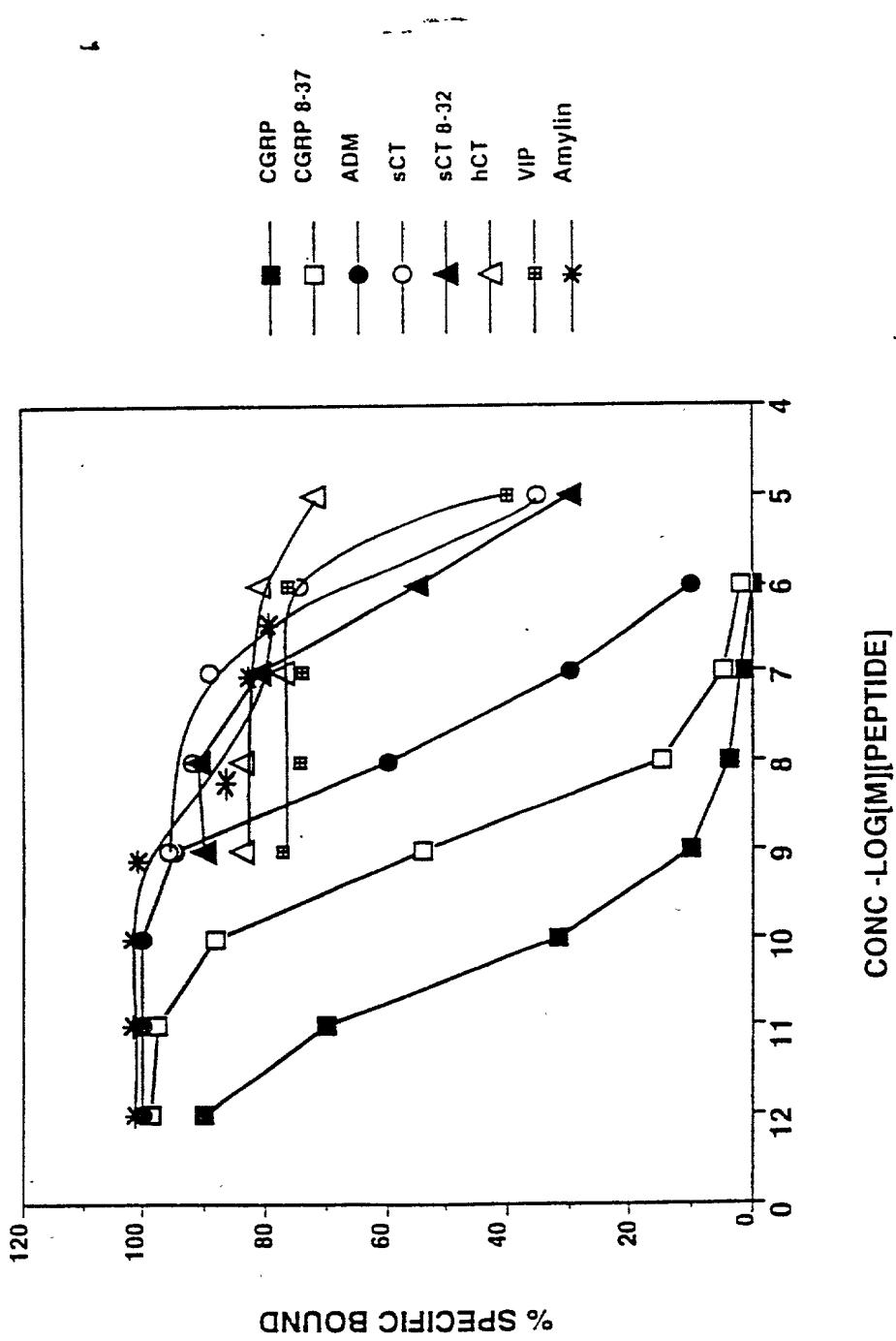


FIGURE 9
CGRP > CGRP 8-37 > ADM > sCT 8-32 > sCT > VIP > Amylin, hCT

Comparison of Human CGRP and Human Calcitonin Receptor Amino Acid Sequences

FIGURE 10

Comparison of Human and Rat CGRP Receptor Amino Acid Sequences

1 .MEKKCTLYFLVLLPFFMILVTAEEESPEDS!QLGVTRNKIMTAQEYCY 49
1 :|||||:||.|| : ||.|| ||::: :|||||||||||||:
1 MMDKKCTLCFLFLLLNMAIAESEEGANQT.DLGVTRNKIMTAQEYCY 49

50 QKIMQDPIQQAEGVYCNRTWDGWLWNDVAAGTESMQLCPDYPQDFDPSE 99
|||||:||:|||||||||||||:|||||:|||||:
50 QKIMQDPIQQEGEGLYCNRTWDGWLWNDVAAGTESMQICPDYPQDFDPSE 99

100 KVTKICDQDGWNFRHPASNRTWTNYTQCNVNTHEKVKTALNLFYLTIIGH 149
|||||:|||||:|||||:|||||:|||||:|||||:
100 KVTKICDQDGWNFRHPDSNRTWTNYTLCNNSTHEKEKTALNLFYLTIIGH 149

150 GLSIASLLISLGIFFYFKSLSCQRITLHKNLFFSFVCNSVTTIHLTAVA 199
|||||:|||||:|||||:|||||:|||||:
150 GLSIASLIISLIIFFYFKSLSCQRITLHKNLFFSFVCNSIVTTIHLTAVA 199

200 NNOALVATNPVSCKVSQFIHLYLMGCNYFWMLCEGIYLHTLIVVAVFAEK 249
|||||:|||||:
200 NNOALVATNPVSCKVSQFIHLYLMGCNYFWMLCEGIYLHTLIVVAVFAEK 249

250 QHLMWYYFLGWFPLIPACIHAIARSLYYNDNCWISSDTHLLYIIGHPIC 299
|||||:|||||:
250 QHLMWYYFLGWFPLLPACIHAIARSLYYNDNCWISSDTHLLYIIGHPIC 299
IV

300 AALLVNLFFLNNIVRVLITKLKVTHQAESNLYMKAVRATLILVPLLGIEF 349
|||||:
300 AALLVNLFFLNNIVRVLITKLKVTHQAESNLYMKAVRATLILVPLLGIEF 349
V

350 VLIPWRPEGKIAEEVYDYIMHILMHFQGLLVSTIFCFNGEVQAILRRNW 399
||:|||||:
350 VLFPWRPEGKVAEEVYDYVMHILMHYQGLLVSTIFCFNGEVQAILRRNW 399
VII

400 NQYKIQFGNSFSNSEALRSASYTVSTISDGPGYSHDCPSEHNGKSIHDI 449
|||||:
400 NQYKIQFGNGFSHSDALRSASYTVSTISDVQGYSHDCPTEHNGKSIQDI 449

450 ENVLLKPNELYN... 461
||| :|||:
450 ENVALKPEKMYDLVM 464

FIGURE 11